



# BRITISH TUNNELLING SOCIETY

Thursday 19<sup>th</sup> May 2011 at 6.00pm

At The

INSTITUTION OF CIVIL ENGINEERS  
ONE GREAT GEORGE STREET, WESTMINSTER, LONDON SW1P 3AA

## BTS AGM

FOLLOWED BY

## LIMERICK IMMERSSED TUNNEL

**JOHN BUSBY** – Design Director, Capita Symonds  
**MIKE MCGUIRE** – Project Director, Direct Route  
**JOHN HAYDEN** – Deputy Project Director, Direct Route

The Limerick Tunnel, which opened in July 2010, provides a new dual carriageway road crossing under the River Shannon to west of the City of Limerick in Ireland, a key section of a wider PPP bypass scheme for the city. The tunnel comprises five 100m long concrete tunnel elements immersed in the river, together with a cut and cover tunnel and approach ramp on each bank. Extensive temporary works, including a purpose built casting basin, float out structure, cofferdams for the cut and cover tunnels and dewatering systems, were required for the tunnel construction.

The presentation will describe the:

- Background to the project and description of the tunnel
- Immersed tunnel design and construction principles, as applied on this project
- Temporary works required for the casting basin, float out structures and cofferdams
- Construction of the concrete tunnels elements
- Marine operations – dredging, float out and immersion
- Finishing works, including M&E systems

Tea and biscuits will be available at 5:30pm

**Advance booking not required**

In case of any query please contact; The Secretary, BTS Tel: 020 7665 2229

or e-mail: [bts@ice.org.uk](mailto:bts@ice.org.uk)

or visit: <http://www.britishtunnelling.org.uk>